This PDF is a selection from a published volume from the National Bureau of Economic Research

Volume Title: Social Security Programs and Retirement Around the World: Disability Insurance Programs and Retirement

Volume Author/Editor: David A. Wise, editor

Volume Publisher: University of Chicago Press

Volume ISBNs: 0-226-26257-X, 978-0-226-26257-4 (cloth); 978-0-226-26260-4 (e-ISBN)

Volume URL: http://www.nber.org/books/wise14-1

Conference Date: September 26–28, 2013

Publication Date: January 2016

Chapter Title: List of contributors, indexes

Chapter Author(s): David A. Wise

Chapter URL: http://www.nber.org/chapters/c13958

Chapter pages in book: (p. 537 - 548)

## Contributors

James Banks Arthur Lewis Building-3.020 School of Social Sciences The University of Manchester Manchester M13 9PL United Kingdom

Luc Behaghel Paris School of Economics–INRA 48, boulevard Jourdan 75014 Paris France

Paul Bingley The Danish National Centre for Social Research Herluf Trollesgade 11 1052 Copenhagen Denmark

Didier Blanchet INSEE–Timbre H230 18 Bd. Adolphe Pinard 75675 Paris Cedex 14 France

Axel Börsch-Supan Munich Center for the Economics of Aging Amalienstrasse 33 80799 Munich Germany Agar Brugiavini Dipartimento di Scienze Economiche Universita' "Ca' Foscari" Venezia Sestiere Cannareggio, 873 30121 Venice Italy

Tabea Bucher-Koenen Munich Center for the Economics of Aging Amalienstrasse 33 80799 Munich Germany

Courtney Coile Department of Economics Wellesley College 106 Central Street Wellesley, MA 02481

Klaas de Vos CentERdata Tilburg University Warandelaan 2 5037 AB Tilburg The Netherlands

Carl Emmerson Institute for Fiscal Studies 7 Ridgmount Street London WC1E 7AE United Kingdom Mayu Fujii Hokkaido University of Education 2–1 Hachimancho Hakodate 040–8567 Japan

Pilar García-Gómez Erasmus School of Economics Erasmus University Rotterdam P.O. Box 1738 3000 DR Rotterdam The Netherlands

Nabanita Datta Gupta Department of Economics and Business Aarhus University Fuglesangs Allé 4, building 2621 8210 Aarhus V Denmark

Sergi Jiménez-Martín Department of Economics Universitat Pompeu Fabra and Barcelona GSE Ramon Trias 25 08005 Barcelona Spain

Per Johansson Institute for Evaluation of Labour Market and Education Policy Box 513 SE-751 20 Uppsala Sweden

Michael Jørgensen ATP Stradellasvej 24, 3 2450 København SV Denmark

Alain Jousten University of Liège HEC Management School Bât. B31, Boîte 41 Boulevard du Rectorat 7 4000 Liège Belgium

Hendrik Jürges Schumpeter School of Business and Economics University of Wuppertal Rainer-Gruenter-Str. 21 (FN.01) 42119 Wuppertal Germany Adriaan Kalwij School of Economics Utrecht University Kriekenpitplein 21–22 3584 EC Utrecht The Netherlands Arie Kapteyn University of Southern California Center for Economic and Social Research 635 Downey Way, Suite 312 Los Angeles, CA 90089-3332 Lisa Laun Institute for Evaluation of Labour Market and Education Policy Box 513 SE-751 20 Uppsala Sweden Mathieu Lefebvre University of Strasbourg, BETA 61, avenue de la Forêt Noire 67085 Strasbourg Cedex France

Kevin Milligan Vancouver School of Economics University of British Columbia 997–1873 East Mall Vancouver, BC V6T 1Z1 Canada

Takashi Oshio Institute of Economic Research Hitotsubashi University 2–1 Naka, Kunitachi Tokyo 186–8603 Japan Mårten Palme Department of Economics Stockholm University SE-106 91 Stockholm Sweden

Peder J. Pedersen Department of Economics and Business Fuglesangs Alle 4 Aarhus University DK-8210 Aarhus V Denmark

Franco Peracchi Faculty of Economics Tor Vergata University via Columbia, 2 00133 Rome Italy

Sergio Perelman University of Liège HEC Management School Bât. B31, Boîte 39 Boulevard du Rectorat 7 4000 Liège Belgium

Johannes Rausch Munich Center for the Economics of Aging Amalienstrasse 33 80799 Munich Germany

Muriel Roger Banque de France, Paris School of Economics–INRA 46–2401 DGEI-DEMS-SAMIC Banque de France 31 rue Croix des Petits Champs 75001 Paris France

Tammy Schirle Department of Economics Wilfrid Laurier University 75 University Avenue West Waterloo, ON N2L 3C5 Canada Morten Schuth Munich Center for the Economics of Aging Amalienstrasse 33 80799 Munich Germany

Satoshi Shimizutani Institute for International Policy Studies Toranomon 30 Mori Bldg., 6F 3-2-2 Toranomon, Minato-ku Tokyo 105-0001 Japan

Gemma Tetlow Institute for Fiscal Studies 7 Ridgmount Street London WC1E 7AE United Kingdom

Lars Thiel University of Wuppertal Rainer-Gruenter-Str. 21 (FN.01) 42119 Wuppertal Germany

Judit Vall Castelló Pompeu Fabra University Ramon Trias Fargas, 25–27 08005 Barcelona Spain

David A. Wise Kennedy School of Government Harvard University 79 John F. Kennedy Street Cambridge, MA 02138

## **Author Index**

Alessie, R., 246 Autor, D. H., 45, 49, 50, 61 Baker, M., 137, 138n1, 140 Banks, J., 90, 91, 93 Behaghel, L., 256, 259 Behncke, S., 246 Biggs, A. G., 48 Billette, J.-M., 149n6 Bingley, P., 332, 346 Blanchet, D., 253 Boemen, H., 246 Boldrin, M., 459, 466n6, 470n13 Börsch-Supan, A., 285, 288, 289, 291, 300, 308, 324, 325, 456 Bound, J., 46, 50 Bozio, A., 86n1, 106n18 Brochu, P., 149n6 Brugiavini, A., 411, 412, 413 Burkhauser, R. V., 213 Case, A., 422 Charles, K. K., 246 Chen, S., 46, 51 Coe, N., 246 Coile, C. C., 46, 51, 53, 53n7, 54, 56, 73, 456 Crawford, R., 86n1, 106 Cribb, J., 87n5 Daly, M., 213 Datta Gupta, N., 332, 346

Dave, D., 246 Deaton, A., 422 Dellis, A., 179, 180 De Mooij, R., 211 Desmet, R., 179 De Vos, K., 211, 212 Diamond, P. A., 455 Disney, R., 88n6 Dorn, D., 459 Duggan, M. G., 45, 49, 50, 61 Dustmann, C., 298 Emmerson, C., 87n5, 88n6 Erdogan-Ciftci, E., 487 Euwals, R., 211 Fenge, R., 455 French, E., 46, 51 Frick, J. R., 294 García-Gómez, P., 456, 459, 467, 470n13 Gruber, J., 1, 2, 22n1, 27, 31, 32, 46, 48, 51, 53n7, 54, 56, 73, 137, 138n1, 211, 308, 332, 412, 444, 455, 456 Hagan, R., 456 Hagen, J., 372 Hashimoto, H., 498 Hemingway, H., 246 Hochguertel, S., 246 Høgelund, J., 334 Holm, A., 334

Ichimura, H., 498, 498n1 Imberman, S., 45 Jiménez-Martín, S., 456, 459, 466n6, 467, 470n13, 476, 477, 486 Johansson, P., 382n8 Jones, A. M., 456 Jönsson, L., 369, 374n4, 401 Jousten, A., 179, 180, 182, 190 Jürges, H., 285, 296, 298, 300, 325 Kalwij, A., 211, 212, 246 Kapteyn, A., 211, 212 Karlström, A., 374n4 Katz, L. F., 50 Kemptner, D., 296 Kerkhofs, M., 456 Knoef, M., 246 Kohnz, S., 285, 324 Kubik, J. D., 48 Kuhn, A., 246 Lahiri, K., 50 Laun, L., 382n8 Laun, T., 370, 382n8 Laurin, A., 139 Lefebvre, M., 179, 180, 182, 190 Le Minez, S., 253 Levine, P. B., 53n7 Li, X., 49n3 Lindeboom, M., 456 Lopez Nicolas, A., 487 Lutz, W., 455 Maestas, N., 46, 48, 49n3, 50, 51 Milligan, K., 4, 7, 9, 10, 45, 137, 138n1, 139, 140, 151, 331, 333 Minni, C., 252 Momose, Y., 501n6, 504 Morin, L.-P., 149n6 Mullen, K., 46, 48, 50, 51 Neuman, K., 246 Oishi, A., 497, 530n15, 530n16 Oshio, T., 497, 498n1, 530n15, 530n16, 531, 531n17, 532, 532n18 Palme, M., 332, 369, 370, 374, 374n4, 375n5, 401 Parsons, D. O., 46, 50 Pedersen, P. J., 332, 346 Peracchi, F., 411, 412, 413, 459

Perelman, S., 179, 180, 182, 190 Pestieau, P., 179, 455 Poterba, J., 17, 20, 47, 56, 57, 99, 188, 295, 347, 425, 434, 435, 453, 479, 515 Raman, J. V., 96 Rashad, I., 246 Reinhold, S., 296 Rice, N., 456 Riphahn, R. T., 295 Romeu Gordo, L., 295 Rupp, K., 48 Samwick, A., 456 Sánchez-Martín, A., 467, 476, 477, 486 Sanderson, W., 455 Scherbov, S., 455 Schirle, T., 138n1, 139, 142 Schnabel, R., 285, 291, 324 Schneider, K., 298 Schröder, M., 306 Schupp, J., 294 Schuring, M., 245 Scott, C., 48 Shimizutani, S., 497, 498, 498n1, 530n15, 530n16, 531, 531n17, 532, 532n18 Skogman Thoursie, P., 370 Smith, J. P., 61 Song, J., 46, 50, 51 Souza-Poza, A., 459 Spasojevic, J., 246 Springstead, G. R., 48 Stijns, J. P., 179 Stock, J., 24n2, 54, 98, 180, 194, 228, 256, 287, 332, 348, 350, 370, 382, 436, 437, 497, 528 Strand, A., 46, 48, 50, 51 Svensson, I., 332, 369, 370, 374, 374n4, 375n5, 401 Tetlow, G., 86, 87n5 Theeuwes, J., 456 Vall Castelló, J., 456, 459, 467 Van der Klaauw, W., 46, 51 Van Doorslaer, E., 487 Van Oorschot, W., 211 Van Vuuren, D., 211 Venti, S., 17, 20, 47, 56, 57, 99, 188, 295, 425, 434, 435, 453, 479, 515 Wagner, G. G., 294 Wallenius, J., 370

- Weiss, C. T., 307
- Wilke, C. B., 289
- Wise, D. A., 1, 2, 4, 7, 9, 10, 17, 20, 22n1, 24n2, 27, 31, 32, 47, 54, 56, 57, 98, 99, 180, 188, 194, 211, 228, 256, 287, 295, 308, 331, 332, 350, 369, 370, 382, 412, 413, 425, 434, 435, 436, 437, 444, 453, 455, 459, 479, 497, 515, 528

Wixon, B., 50 Wuellrich, J. P., 246 Wunsch, C., 96

Zamarro, G., 246 Zweerink, J., 246 Zweimueller, J., 246

## Subject Index

Note: Page numbers followed by "f" or "t" refer to figures or tables, respectively.

Asset and Health Dynamics among the Oldest Old (AHEAD), 52n5 Average Indexed Monthly Earnings (AIME), 47

Belgium, 179–80; convention early retirement (CER) program, 190; empirical approach to study of retirement decisions, 187–96; implications of results of study, 201–7; measurement of health status for, 188–89; option value calculations, 193–96; pathways to retirement in, 179, 189–93; results of study, 196–201; role of disability insurance in, 180–86; simulations of results, 202–7

"Boxed economy" proposition, 2 Britain. See United Kingdom (UK)

Canada: background on retirement and disability policy in, 138–44; Canada and Quebec Pension Plans (C/QPP), 138– 44; data for study effect of disability benefit program on retirement decisions in, 144; health index for, 145–47; Old Age Security (OAS) program, 138– 39; option value calculations, 147–56; pathways to retirement in, 137–38, 145; results of study of, 156–73; simulations of study, 173–75; system for disability benefits in, 138 Canada and Quebec Pension Plans (C/ QPP), 138–45 Continuing disability reviews (CDRs), 48

Defined benefit (DB) pensions, 54

- Denmark: background on disability insurance in, 333–45; empirical approach to study, 345–51; health index for, 347–48; implications of study results, 361–66; introduction to disability insurance and retirement in, 331–33; model fit, 360–61; option value calculations for, 348–51; pathways to retirement in, 345–47; results of study, 351–60
- Disability benefits: effect of, on retirement decisions in Canada, 144; in United Kingdom, 90–96
- Disability insurance: in Belgium, 180–86; in Canada, 138–44; in Denmark, 331–45; in France, 251–54; in Germany, 297–302; in Italy, 416–17; in Japan, 498–507; in the Netherlands, 211–22; in Spain, 455–57, 462–66, 468–73; in Sweden, 369–70, 373–75; in United Kingdom, 90–95; in United States, 45–66. *See also* United States (US) Disability Insurance (DI) program

Disability insurance (DI) benefits, 7–9; changes in percent of men on, 8t; proportion of men sixty to sixty-four receiving, in 2009, by country, 4–5, 4f; share of population receiving, across countries, 4–5

Disability insurance (DI) participation: education and, 14, 14f; by education and health, 10f, 14–16; health and, 13–14; trends in, by country, 5–10, 6–7f; trends in, vs. trends in employment, 10–13, 11–12f, 13f; trends in, vs. trends in health, 9–10

Disability insurance (DI) programs, 1

Education, DI participation and, 10f, 14, 14f

Employment: by health and by education, 16–17, 18–19f; trends in, vs. trends in DI, 10–13; youth, 2–3

English Longitudinal Study of Aging (ELSA), 17, 20, 41, 99, 101

Estimation, 20–31, 41–42

France: development of pension system in, 254–56; empirical approach to study, 256–58; employment data, 268–69; health measurements for, 268; introduction to retirement and disability in, 251–54; option values computations, 264–68; pathways to retirement, 258– 63; results of study of retirement, 269– 78; simulations of results, 278–82

Germany: benefit formula for pensions in, 291–93; data sources, 293–95; disability insurance participation trends for, 297-302; effect of financial incentives by education level, 317-18; effect of financial incentives by health status, 316-17; effect of health on retirement, 315–17; effect of retirement incentives, 312-15; empirical approach to study, 302-3; history of pension system in, 289-91; implications of study results, 318-24; introduction to retirement decisions in, 285-89; measuring health for, 295-97; model fit, 319; option value calculations for, 305-11; pathways to retirement in, 303-5; relationship between OVs and retirement, 319-21; results of study, 311-18; simulation of pension

reform, 321–24; unemployment benefits at older ages in, 293 Great Britain. See United Kingdom (UK)

Health: DI participation and, 10f, 13–14; disability insurance participation and, 10f, 13–16; measuring, 17–20; trends in, vs. trends in DI, 9–10; US Disability Insurance (DI) program and, 56–57

Health and Retirement Study (HRS), US, 41, 52

Health index, PVW (Poterba, Venti, and Wise), 17–19

Health measurements: for Belgium, 188–89; for Canada, 145–47; for Denmark, 347–48; for France, 268; for Germany, 295–97; for Italy, 434–36; for Japan, 515; for the Netherlands, 228

Inclusive OV (option value), 25, 46–47, 308–11

International Social Security (ISS) project, 1–4

Italy: data construction for study, 436–44; disability insurance in, 416–17; empirical approach to study, 431–36; employment and disability rates in, 423–29; employment rates by health and education in, 429–31; health measurements, 434–36; introduction to disability insurance and retirement behavior in, 411– 13; model of it, 445–50; pathways to retirement in, 431–34; recent trends in program participation, 417–19; simulations of results, 444–52; social security system in, 413–16; take-up of disability insurance benefits in, 419–23

Japan: changes in disability program participation over time in, 501–3; counterfactual simulation analysis for, 527–28; current scheme in, 501; data source and sample for study of, 507–8; disability program participation by individual characteristics in, 503–7; earnings and pension benefits, 510–12; empirical model, 508; hazard rate for OV model, 522–25; health measurements, 515; history of social security and disability program in, 498–501; introduction to retirement decisions and health status in, 497–98; model fit, 522–27; option value calculations for, 508–9, 512–15; overview of social security programs in, 530–32; pathways to retirement in, 509–10; results of study, 515–22 Japan Study of Aging and Retirement (JSTAR), 17, 41, 498, 503–4 Jobseeker's Allowance (JSA), UK, 96

Labor force participation, 1-2

- Mortality, decline in, at age sixty-five, by country, 9, 9f
- Netherlands, the: disability insurance participation by level of education and gender in, 214–22; empirical approach to study, 222–32; health index for, 228; health shocks and exiting labor force, 245–46; implications of results for, 240–45; introduction to health, disability insurance, and labor force exit of older workers in, 211–12; model fit for, 237–40; option value calculations, 228– 32; pathways to retirement in, 223–28; results of study, 232–37; trends in disability insurance participation and program reforms in, 212–14

Normal retirement age (NRA), 47-48

- Old Age Security (OAS) program (Canada), 138–39
- Option value (OV), 43, 46; by age, by country, 25–26, 26–27f; effect of inclusive, on probability of retirement, 28; estimated effect of inclusive, 25–26; as forward-looking measure, 54–56; incentive measure, 43; inclusive, 25, 46–47
- Option value (OV) model, 24, 26-27f, 98-99
- Option value calculations: for Belgium, 193–96; for Canada, 147–56; for Denmark, 348–51; for France, 264–68; for Germany, 305–11; for Japan, 508–9, 512–15; for the Netherlands, 228–32; for Spain, 475–77; for Sweden, 382–86; for United States, 54–56
- Pathways to retirement, 25; in Belgium, 179, 189–93; in Canada, 137–38, 145; in Denmark, 345–47; in France, 258–63; in Germany, 303–5; in Italy, 431–34; in Japan, 509–10; in the Netherlands, 223–28; in Spain, 473–75, 477–79; in

Sweden, 375–82; in United Kingdom, 103–4; in United States, 53–54. *See also* Retirement

- Primary insurance amount (PIA), 47
- Private pension systems, in United Kingdom, 88–90
- PVW (Poterba, Venti, and Wise) health index, 17–20
- Retirement: estimated effect of inclusive OV on, 25–26, 28, 29t; incentive to delay, 23–25; multiple pathways to, 25–27; US pathways to, 53–54. *See also* Pathways to retirement
- Simulations, of results, 31–40, 42; for Belgium, 202–7; for Canada, 173–75; for France, 278–82; for Germany, 321–24; for Italy, 444–52; for Japan, 527–28; for United Kingdom, 122–24; for United States, 73–78
- Social security accrual, 23-24
- Social security wealth (SSW), 23-24
- Spain: disability insurance in, 462–66; empirical approach to study, 473–82; health measurements, 479–82; introduction to disability insurance and retirement in, 455–57; old-age pensions in, 466; option value calculations for, 475–77; pathways to retirement in, 473–75, 477–79; reforms of disability system in, 468–73; results of study, 482–92; trends in employment and participation in social security systems in, 457–62; unemployment insurance in, 467
- Survey of Consumer Finances (SCF; Canada), 150
- Survey of Health, Ageing and Retirement in Europe (SHARE), 17–19, 41, 180, 294–95
- Survey of Labour and Income Dynamics (SLID; Canada), 144–50
- Sweden: data for study, 380–81; descriptive results of study, 397–98; development of disability rates and employment in, 374–75; disability insurance system in, 373–74; health measurements, 382; implications of changes in disability insurance eligibility screening in, 398–401; income tax system, 407–8; introduction to disability insurance and

Sweden (cont.) retirement in, 369–70; means-tested benefits, 408–9; model fit, 396–97; occupational pension plans in, 374, 402–6; old-age pension system in, 370–73; option value calculations for, 382–86; pathways to retirement in, 381–82; results of study, 386–96; social insurance pathway to retirement in, 375–80

Unemployment insurance (UI) benefits, US, 53n7

United Kingdom (UK): constructing option values for study of retirement in, 104-14; data used for study of retirement in, 99-103; defining option values for retirement, 98-99; disability benefits in, 90-95; disability system reforms in, 1948 to present day, 91; effect of disability benefits on incentives to work or retire in, 95-96; effect of state pensions on incentives to work or retire in, 87-88; employment rates for older workers in, 81-86, 82f, 83f, 84f; institutional factors affecting employment rates of older people in, 96-97; Jobseeker's Allowance (JSA), 96; pathways to retirement in, 103-4; private pension

system in, 88–90; results of study of retirement in, 114–22; simulating alternative disability insurance programs for, 122–24; state pension system in, 86–87

- United States (US): pathways to retirement in, 53–54; unemployment insurance (UI) benefits in, 53n7
- United States (US) Disability Insurance (DI) program, 45-47; application process, 48; data for, 52-53; descriptive analysis of incentive measures in, 63-66; descriptive analysis of participation rates in, 57-62, 58f, 59f, 60f; differences between SS program and, 49; effect of, on labor force withdrawal or retirement, 46; findings about, 47; growth of, 45; health status and, 56-57; institutional features of, 47-49; literature review, 49-52; option value calculations, 54-56; as pathway to retirement, 53–54; regression results for, 66-73; screening process, 48-49; simulations of, 73-78; trends, 45-46
- United States (US) Social Security (SS) program, 47; differences between DI program and, 49

Youth employment, 2-3